



Smoke Alarm Distribution with Elk's Club

# Burlington Fire Department Monthly Report October 2020

**“The Mission of the Burlington Fire Department is to provide for the fire and life safety needs of the community in the most professional, courteous, and efficient manner possible.”**

## Operations

The Burlington Fire Department responded to 501 calls for service in October. 353 calls were in the city limits of Burlington (70%). 43% of the calls were overlapping, meaning we had two or more calls in progress at the same time. In the city limits of Burlington, our average response time was 5 minutes and 06 seconds (this time starts we receive the alarm and ends when we arrive on the scene). The average response time for all emergency calls (including those outside the city) was 6 minutes and 02 seconds.

384 calls were EMS-related (77%). 288 patients were transported (278 to Great River Medical Center). The Department responded to 66 calls related to falls, 41 calls for breathing issues, and 32 for chest pain.

Below is a “heat” map of the Burlington area that shows the general vicinity and number of calls in October.



**Heat Map (October 2020)**

## Training

The Department recorded over 300 hours of training in October. All shifts had the opportunity to train with Professional Rescue Innovations (PRI) on confined space rescue. Class was held on all three shifts and included both classroom and hands-on skills practice.



Other Training included: various recruit training, the regularly scheduled monthly EMS training, and MedForce-sponsored air medical training at Station 2.



### **Community Risk Reduction**

October is normally a big month for fire prevention activities including school visits, station tours, Fire Prevention Week poster contest, and many other activities, but with COVID-19 restrictions those events were all cancelled. The Department did manage to accomplish other important prevention activities including:

- Crews participated in 2 smoke alarm drive up programs along with the Burlington Elk's Club (event concluded with a \$3500 donation to the smoke alarm program).
- Fire Marshal Crooks completed 15 inspections.
- Crews completed a Fire Prevention Week video that was shared in area elementary schools.
- All 3 shifts completed a walk thru of the newly opened Blaul Apartments.
- Crews installed 12 smoke alarms and 2 carbon monoxide alarms.

### **Other Activities**

- The Department hired 3 new firefighters in October- Taylor Moon, Matt Heckert, and Tomas Zurita.
- Crews completed the annual testing on all the Department's ground ladders.
- Chief Trexel participated in the Iowa Association of Professional Fire Chief's Fall Conference (virtual).

Respectfully Submitted,

Matt Trexel

Fire Chief

# Burlington Fire Department

Burlington, IA

This report was generated on 11/9/2020 9:31:25 AM



## Incident Statistics

Start Date: 10/01/2020 | End Date: 10/31/2020

INCIDENT COUNT			
INCIDENT TYPE		# INCIDENTS	
EMS		384	
FIRE		117	
<b>TOTAL</b>		<b>501</b>	
TOTAL TRANSPORTS (N2 and N3)			
APPARATUS	# of APPARATUS TRANSPORTS	# of PATIENT TRANSPORTS	TOTAL # of PATIENT CONTACTS
0	0	0	0
727	0	1	1
751	83	114	114
752	8	13	13
753	115	148	148
754	25	35	35
755	61	71	71
<b>TOTAL</b>	<b>292</b>	<b>382</b>	<b>382</b>
PRE-INCIDENT VALUE		LOSSES	
<b>\$8,323,500.00</b>		<b>\$136,570.00</b>	
CO CHECKS			
424 - Carbon monoxide incident		2	
736 - CO detector activation due to malfunction		1	
<b>TOTAL</b>		<b>3</b>	
MUTUAL AID			
Aid Type		Total	
Aid Given		2	
Aid Received		3	
OVERLAPPING CALLS			
# OVERLAPPING		% OVERLAPPING	
214		42.71	
LIGHTS AND SIREN - AVERAGE RESPONSE TIME (Dispatch to Arrival)			
Station	EMS	FIRE	
Station 1	0:06:14	0:06:21	
Station 2	0:05:01	0:05:10	
Station 3 - Bakers Pride	0:06:28	0:05:15	
<b>AVERAGE FOR ALL CALLS</b>		<b>0:06:02</b>	

Only Reviewed Incidents included. CO Checks only includes Incident Types: 424, 736 and 734. # Apparatus Transports = # of incidents where apparatus transported. # Patient Transports = All patients transported by EMS. # Patient Contacts = # of PCR contacted by apparatus. This report now returns both NEMSIS 2 & 3 data as appropriate. For overlapping calls that span over multiple days, total per month will not equal Total count for year.



**LIGHTS AND SIREN - AVERAGE TURNOUT TIME (Dispatch to Enroute)**

<b>Station</b>	<b>EMS</b>	<b>FIRE</b>
Station 1	0:01:22	0:02:13
Station 2	0:01:20	0:01:26
Station 3 - Bakers Pride	0:01:21	0:01:18
<b>AVERAGE FOR ALL CALLS</b>		<b>0:01:24</b>
<b>AGENCY</b>		<b>AVERAGE TIME ON SCENE (MM:SS)</b>
Burlington Fire Department		20:03

Only Reviewed Incidents included. CO Checks only includes Incident Types: 424, 736 and 734. # Apparatus Transports = # of incidents where apparatus transported. # Patient Transports = All patients transported by EMS. # Patient Contacts = # of PCR contacted by apparatus. This report now returns both NEMSIS 2 & 3 data as appropriate. For overlapping calls that span over multiple days, total per month will not equal Total count for year.



# Burlington Fire Department

Burlington, IA

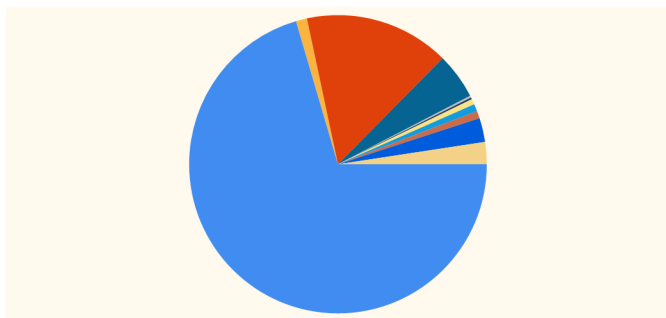
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## Count of Incidents by Incident Type per Zone

Incident Status: Reviewed | Start Date: 10/01/2020 | End Date: 10/31/2020

% of Incidents per Zone



- C-Burlington - City of Burlington
- C-Danville - City of Danville
- C-West Burlington - City of West Burlington
- Henderson - Henderson County
- T-Ben Township - Benton Township
- T-Wash Township - Washington Township
- T-Con Township - Concordia Township
- T-Dan Township - Danville Township
- T-Union Township - Union Township
- T-Flt Riv Township - Flint River Township

INCIDENT TYPE	# INCIDENTS	% of TOTAL
<b>C-Burlington - City of Burlington</b>		
111 - Building fire	6	1.20%
113 - Cooking fire, confined to container	1	0.20%
131 - Passenger vehicle fire	2	0.40%
321 - EMS call, excluding vehicle accident with injury	258	51.50%
322 - Motor vehicle accident with injuries	4	0.80%
323 - Motor vehicle/pedestrian accident (MV Ped)	1	0.20%
324 - Motor vehicle accident with no injuries.	1	0.20%
412 - Gas leak (natural gas or LPG)	3	0.60%
424 - Carbon monoxide incident	2	0.40%
440 - Electrical wiring/equipment problem, other	2	0.40%
442 - Overheated motor	1	0.20%
445 - Arcing, shorted electrical equipment	1	0.20%
481 - Attempt to burn	1	0.20%
510 - Person in distress, other	1	0.20%
511 - Lock-out	1	0.20%
552 - Police matter	2	0.40%
553 - Public service	19	3.79%
554 - Assist invalid	1	0.20%
561 - Unauthorized burning	5	1.00%
600 - Good intent call, other	1	0.20%
611 - Dispatched & cancelled en route	5	1.00%
622 - No incident found on arrival at dispatch address	16	3.19%
650 - Steam, other gas mistaken for smoke, other	1	0.20%
651 - Smoke scare, odor of smoke	2	0.40%
652 - Steam, vapor, fog or dust thought to be smoke	1	0.20%
671 - HazMat release investigation w/no HazMat	1	0.20%
733 - Smoke detector activation due to malfunction	3	0.60%
735 - Alarm system sounded due to malfunction	2	0.40%

Report shows count of incidents for Status selected.



741 - Sprinkler activation, no fire - unintentional	1	0.20%
743 - Smoke detector activation, no fire - unintentional	5	1.00%
744 - Detector activation, no fire - unintentional	1	0.20%
745 - Alarm system activation, no fire - unintentional	2	0.40%
<b>Zone: C-Burlington - City of Burlington Total Incident:</b>	<b>353</b>	<b>70.46%</b>
<b>C-Danville - City of Danville</b>		
321 - EMS call, excluding vehicle accident with injury	5	1.00%
611 - Dispatched & cancelled en route	1	0.20%
<b>Zone: C-Danville - City of Danville Total Incident:</b>	<b>6</b>	<b>1.20%</b>
<b>C-West Burlington - City of West Burlington</b>		
321 - EMS call, excluding vehicle accident with injury	61	12.18%
322 - Motor vehicle accident with injuries	1	0.20%
553 - Public service	5	1.00%
611 - Dispatched & cancelled en route	6	1.20%
622 - No incident found on arrival at dispatch address	6	1.20%
<b>Zone: C-West Burlington - City of West Burlington Total Incident:</b>	<b>79</b>	<b>15.77%</b>
<b>Henderson - Henderson County</b>		
321 - EMS call, excluding vehicle accident with injury	21	4.19%
611 - Dispatched & cancelled en route	3	0.60%
622 - No incident found on arrival at dispatch address	1	0.20%
<b>Zone: Henderson - Henderson County Total Incident:</b>	<b>25</b>	<b>4.99%</b>
<b>T-Ben Township - Benton Township</b>		
322 - Motor vehicle accident with injuries	1	0.20%
<b>Zone: T-Ben Township - Benton Township Total Incident:</b>	<b>1</b>	<b>0.20%</b>
<b>T-Con Township - Concordia Township</b>		
321 - EMS call, excluding vehicle accident with injury	1	0.20%
552 - Police matter	1	0.20%
611 - Dispatched & cancelled en route	1	0.20%
<b>Zone: T-Con Township - Concordia Township Total Incident:</b>	<b>3</b>	<b>0.60%</b>
<b>T-Dan Township - Danville Township</b>		
321 - EMS call, excluding vehicle accident with injury	3	0.60%
322 - Motor vehicle accident with injuries	1	0.20%
<b>Zone: T-Dan Township - Danville Township Total Incident:</b>	<b>4</b>	<b>0.80%</b>
<b>T-Flt Riv Township - Flint River Township</b>		
142 - Brush or brush-and-grass mixture fire	1	0.20%
321 - EMS call, excluding vehicle accident with injury	12	2.40%
<b>Zone: T-Flt Riv Township - Flint River Township Total Incident:</b>	<b>13</b>	<b>2.59%</b>
<b>T-Tama Township - Tama Township</b>		
321 - EMS call, excluding vehicle accident with injury	8	1.60%
324 - Motor vehicle accident with no injuries.	1	0.20%
651 - Smoke scare, odor of smoke	1	0.20%
736 - CO detector activation due to malfunction	1	0.20%
743 - Smoke detector activation, no fire - unintentional	1	0.20%

Report shows count of incidents for Status selected.





INCIDENT TYPE	# INCIDENTS	% of TOTAL
Zone: T-Tama Township - Tama Township Total Incident	12	2.40%
<b>T-Union Township - Union Township</b>		
321 - EMS call, excluding vehicle accident with injury	4	0.80%
Zone: T-Union Township - Union Township Total Incident	4	0.80%
<b>T-Wash Township - Washington Township</b>		
321 - EMS call, excluding vehicle accident with injury	1	0.20%
Zone: T-Wash Township - Washington Township Total Incident	1	0.20%
<b>TOTAL INCIDENTS FOR ALL ZONES:</b>	<b>501</b>	<b>100%</b>

Report shows count of incidents for Status selected.



# Burlington Fire Department

Burlington, IA

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## Average Response Time for Zone for Date Range

Zone: All Zones | Start Date: 10/01/2020 | End Date: 10/31/2020

ZONE TITLE	AVERAGE RESPONSE TIME IN MINUTES (DISPATCH TO ARRIVED)
Henderson - Henderson County	19.53
T-Wash Township - Washington Township	17.15
T-Dan Township - Danville Township	12.77
C-Danville - City of Danville	12.45
T-Ben Township - Benton Township	11.47
T-Tama Township - Tama Township	9.03
T-Flt Riv Township - Flint River Township	8.96
T-Union Township - Union Township	8.00
T-Con Township - Concordia Township	6.49
C-West Burlington - City of West Burlington	5.65
C-Burlington - City of Burlington	5.18

Only REVIEWED incidents included This report shows the time in decimal format. Excludes "Cancelled" apparatus.



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# Burlington Fire Department

Burlington, IA

This report was generated on 11/9/2020 9:38:14 AM



## Patient Transport Count per Destination for Date Range (N2-N3)

Start Date: 10/01/2020 | End Date: 10/31/2020

HOSPITAL DESTINATION	# TRANSPORTS
Great River Hospice	1
Great River Medical Center	278
Mercy Hospital	2
OSF Family Medical Center	2
Residence	1
Unity Point Trinity	1
University of Iowa Hospital & Clinic	3

Only REVIEWED incidents included. This report now returns both NEMSIS 2 & 3 data as appropriate.



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# Burlington Fire Department

Burlington, IA

This report was generated on 11/9/2020 9:38:56 AM



## Incident Count per Complaint Reported by Dispatch for Date Range (NEMSIS 3 Incidents Only)

Start Date: 10/01/2020 | End Date: 10/31/2020

COMPLAINT REPORTED BY DISPATCH	# INCIDENTS
Abdominal Pain/Problems	14
Allergic Reaction/Stings	1
Assault	3
Back Pain (Non-Traumatic)	7
Breathing Problem	41
Cardiac Arrest/Death	6
Chest Pain (Non-Traumatic)	32
Convulsions/Seizure	16
Diabetic Problem	7
Eye Problem/Injury	2
Falls	66
Headache	1
Heart Problems/AICD	1
Hemorrhage/Laceration	4
Medical Alarm	3
No Other Appropriate Choice	28
Overdose/Poisoning/Ingestion	10
Psychiatric Problem/Abnormal Behavior/Suicide Attempt	17
Sick Person	32
Stab/Gunshot Wound/Penetrating Trauma	2
Stroke/CVA	11
Traffic/Transportation Incident	9
Transfer/Interfacility/Palliative Care	10
Traumatic Injury	9
Unconscious/Fainting/Near-Fainting	25
Unknown Problem/Person Down	14
Well Person Check	4

Incidents included must be NEMSIS 3 and either Complete or Reviewed. COMPLAINT REPORTED BY DISPATCH is recorded on Basic Info 5. If looking for NEMSIS 2 Incidents, refer to Report #1041.



# Burlington Fire Department

Burlington, IA

This report was generated on 11/9/2020 12:40:34 PM



## Count of Patient Procedures for Date Range (NEMSIS 3 Incidents Only)

Start Date: 10/01/2020 | End Date: 10/31/2020

PROCEDURE	# PERFORMED	SUCCESSFUL	UNSUCCESSFUL	NOT RECORDED	NOT APPLICABLE
12 Lead ECG Obtained	58	56	0	2	0
3 Lead ECG Obtained	224	214	4	6	0
Advanced Spinal Assessment (i.e., spinal clearance)	7	4	0	3	0
Assisted Ventilations (via Mask)	7	6	0	1	0
Assisted Ventilations (via Tube)	3	3	0	0	0
BiPAP	1	1	0	0	0
Blood Product, unspecified	1	1	0	0	0
C-Spine Stabilization, Manual	1	1	0	0	0
Cervical Collar Applied	7	7	0	0	0
Chest Compressions (Mechanical Device)	8	7	0	1	0
Contact Medical Control	3	2	0	1	0
CPAP	10	10	0	0	0
CPR, Manual	4	3	0	1	0
Defibrillation, Manual	1	1	0	0	0
ETCO2 Digital Capnography	25	24	0	1	0
Eye Irrigation	1	1	0	0	0
General Wound Care	7	5	0	2	0
Hypothermia Induction Therapy	1	1	0	0	0
Immobilization using Long Board	4	4	0	0	0
Immobilization using Short Extrication Splint	1	1	0	0	0
Intubation, Oral	6	3	3	0	0
Intubation, Oral using Bougie Device	1	0	1	0	0
IO Cannulation	6	6	0	0	0
Occlusive Dressing	1	1	0	0	0
Oral Airway Insertion	3	3	0	0	0
PEEP Applied	1	1	0	0	0
Pressure Dressing	1	1	0	0	0
Refused, Splinting, General,	1	1	0	0	0
Restraint Applied, Physical	1	0	0	1	0
Spinal Immobilization, Full	1	1	0	0	0
Splinting, General	6	6	0	0	0
Suction Airway	2	2	0	0	0
Supraglottic Airway Insertion (Double Lumen)	2	1	0	1	0
Supraglottic Airway, Single Lumen (i.e. King)	4	3	1	0	0
Vagal Maneuver	1	1	0	0	0
Vein, Extremity	218	159	59	0	0

Only Reviewed NEMSIS 3 Incidents Included



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PROCEDURE	# PERFORMED	SUCCESSFUL	UNSUCCESSFUL	NOT RECORDED	NOT APPLICABLE
Vein, Femoral	1	1	0	0	0
Wound Irrigation	1	1	0	0	0
<b>TOTALS</b>	<b>631</b>	<b>543</b>	<b>68</b>	<b>20</b>	<b>0</b>

Only Reviewed NEMSIS 3 Incidents Included

# Burlington Fire Department

Burlington, IA

This report was generated on 11/9/2020 12:43:22 PM



## Count of Medications Given for Date Range (N2-N3)

Start Date: 10/01/2020 | End Date: 10/31/2020

MEDICATION	# TIMES ADMINISTERED
Albuterol	18
Aspirin	17
Dextrose 50 % Injectable Solution	4
Diazepam	4
Epinephrine 0.1 MG/ML	4
Epinephrine 1 MG/ML	23
Etomidate	1
Fentanyl	44
Glucose	2
Insulin	1
Ketamine	1
Lactated Ringer's Solution	4
Midazolam	3
Morphine	2
Naloxone	6
Nitroglycerin	12
Normal saline	26
Ondansetron	22
Oxygen	67
Vecuronium	1

This report now returns both NEMSIS 2 & 3 data as appropriate. For Nemsis 2 Patients: report includes patient information where YES is selected for the WAS PATIENT TRANSPORTED BY THIS UNIT? question on the EMS Patient Questionnaire screen of a PCR. Only REVIEWED incidents included.



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